

APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO AVZ-007CP3	SERIAL NO. 09/687,575
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Kaddurah-Daouk, R. et al.	
		FILING DATE October 13, 2000	GROUP 1614/625

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>h</i>	A1	5,091,404	02/92	Elgebaly	514	401	
<i>h</i>	A2	5,321,030	06/94	Kaddurah-Daouk et al.	514	275	
<i>h</i>	A3	5,866,537	02/99	Bianchi	514	201	
<i>h</i>	A4	5,837,737	02/98	Goldin et al.	514	683	
<i>h</i>	A5	5,741,661	04/98	Goldin et al.	435	201	
<i>h</i>	A6	5,324,731	06/94	Kaddurah-Daouk et al.	514	201	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>h</i>	A7	WO 90/09192	08/90	PCT			
<i>h</i>	A8	WO 92/08456	05/92	PCT			
<i>h</i>	A9	WO 94/16687	08/94	PCT			

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>h</i>	A10	Annesley, T. and Walker, J., "Cyclocreatine Phosphate as a Substitute for Creatine Phosphate in Vertebrate Tissue. Energetic Considerations," <i>Biochem. Biophys. Res. Commun.</i> , vol. 74, 185-90 (1977);
<i>h</i>	A11	Annesley, T. and Walker, J., "Formation and Utilization of Novel High Energy Phosphate Reservoirs in Ehrlich Ascites Tumor Cells," <i>J. Biol. Chem.</i> , vol. 253, no. 22, 8120-5 (1978);
<i>h</i>	A12	Beal, M. et al., "Age-Dependent Striatal Excitotoxic Lesions Produced by the Endogenous Mitochondrial Inhibitor Malonate," <i>J. Neurochem.</i> , vol. 61, 1147-50 (1993);
<i>h</i>	A13	Beal, M. "Aging, Energy, and Oxidative Stress in Neurodegenerative Diseases," <i>Ann. Neurol.</i> , vol. 38, 357-66 (1995);
<i>h</i>	A14	Beal, M. et al., "Coenzyme Q ₁₀ and Nicotinamide Block Striatal Lesions Produced by the Mitochondrial Toxin Malonate" <i>Ann. Neurol.</i> , vol. 36, 882-888 (1994);
<i>h</i>	A15	Beal, M., "Does Impairment of Energy Metabolism Result in Excitotoxic Neuronal Death in Neurodegenerative Illnesses?" <i>Ann. Neurol.</i> , vol. 31, 119-30 (1992);
<i>h</i>	A16	Bernsen, P.L.J.A. et al., "Treatment of Complex I Deficiency with Riboflavin" <i>J. Neuro. Sci.</i> vol. 118, 181-187 (1993);
<i>h</i>	A17	Boehm, E.A. et al. "The utilization of creatine and its analogues by cytosolic and mitochondrial creatine kinase" <i>Biochimica et Biophysica Acta</i> 1274:119-128 (23 February 1996);
<i>h</i>	A18	Brady, S. and Lasek, R., "Nerve-Specific Enolase and Creatine Phosphokinase in Axonal Transport: Soluble Proteins and the Axoplasmic Matrix," <i>Cell</i> , vol. 23, 515-23 (1981);
<i>h</i>	A19	Brouillet, E. et al., "Chronic Mitochondrial Energy Impairment Produces Selective Striatal Degeneration and Abnormal Choreiform Movements in Primates," <i>PNAS</i> , vol. 92, 7105-9 (1995);
<i>h</i>	A20	Browne, S. et al., "Oxidative Damage and Metabolic Dysfunction in Huntington's Disease: Selective Vulnerability of the Basal Ganglia," <i>Ann. Neurol.</i> , vol. 41, 646-53 (1997);

Examiner

Raymond G. Gentry

Date Considered

9/4/01

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OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>k</i>	B1	Burbaeva, GSh et al., "Decreased level of Immunoreactive Phosphokinase BB Isoenzymes in the Brain of Patients with Schizophrenia and Senile Dementia of the Alzheimer Type," <i>Zh. Nevropatol. Psikhiatr Im S S Korsakova</i> , vol. 90, no. 7, 85-7 (1990) - abstract attached;
<i>f</i>	B2	Cadoux-Hudson, T. et al., "Imaging of Human Brain Creatine Kinase Activity in Vivo," <i>FASEB J.</i> , vol. 3, 2660-6 (1989);
<i>k</i>	B3	Chandler, W. et al., "Regional Creatine Kinase, Adenylate Kinase, and Lactate Dehydrogenase in Normal Canine Brain," <i>Stroke</i> , vol. 19, 251-5 (1988);
<i>k</i>	B4	Chello, M. et al., "Protection by Coenzyme Q10 of Tissue Reperfusion Injury During Abdominal Aortic Cross-clamping" <i>J. Cardiovascular Surgery</i> , vol. 37(3), 229-235 (1996);
<i>k</i>	B5	Crane, F.L. et al., "Isolation of a Quinone from Beef Heart Mitochondria" <i>Biochem. et Biophys. Acta.</i> , vol. 25:220-221 (1957);
<i>k</i>	B6	Dalakas, M.C. et al., "Mitochondrial Myopathy Caused by Long-term Zidovudine Therapy" <i>New England Journal of Medicine</i> , vol. 322:1098-1105 (1990);
<i>k</i>	B7	Database Medline on DTN, US National Library of Medicine, (Bethesda, MD, USA), No.83119671, Rehunen, S. "High energy phosphate compounds in slow twitch and fast twitch muscle fibers. Changes during exercise in some neuromuscular diseases." Abstr. <i>J Neurolog Sc</i> (1985);
<i>k</i>	B8	Database Medline on DTN, US National Library of Medicine, (Bethesda, MD, USA), No. 74131068, Chmouliovsky, M. "Pre- and postsynaptic utilization of ATP and creatine phosphate at the nerve electorplaque junction." Abstr. <i>J Neurochem</i> (January 1974).
<i>k</i>	B9	De Leon, M. et al., "Identification of Transcriptionally Regulated Genes After Sciatic Nerve Injury," <i>J. Neurosci. Res.</i> , vol. 29, 437-48 (1991);
<i>k</i>	B10	Erecinska, M. and Silver, I., "ATP and Brain Function," <i>J. Cerebr. Bloof Flow and Metabolism</i> , vol. 9, 2-19 (1989);
<i>k</i>	B11	Folkers, K. and Simonsen, R., "Two Successful Double-blind Trials with Coenzyme Q ₁₀ (Vitamin Q ₁₀) on Muscular Dystrophies and Neurogenic Atrophies" <i>Biochem. et Biophys. Acta</i> , vol. 1271(1), 281-286 (1995);
<i>k</i>	B12	Friedhoff, A. and Lerner, M., "Creatine Kinase Isoenzyme Associated with Synaptosomal Membrane and Synaptic Vesicles," <i>Life Sci.</i> , vol. 20, 867-74 (1977);
<i>k</i>	B13	Gold, R. et al., "Phosphorus Magnetic Resonance Spectroscopy in the Evaluation of Mitochondrial Myopathies: Results of a 6-Month Therapy Study with Coenzyme Q" <i>Eur. Neurology</i> , vol. 36(4), 191-196 (1996);
<i>k</i>	B14	Griffiths, G. and Walker, J., "Accumulation of Analog of Phosphocreatine in Muscle of Chicks Fed 1-Carboxymethyl-2-iminoimidazolidine (Cyclocreatine)," <i>J. Biol. Chem.</i> , vol. 251(7), 2049-54 (1976);
<i>k</i>	B15	Gu, M. et al., "Mitochondrial Defect in Huntington's Disease Caudate Nucleus," <i>Ann. Neurol.</i> , vol. 39, 385-389 (1996);
<i>k</i>	B16	Gurney, M. et al., "Motor Neuron Degeneration in Mice That Express a Human Cu,Zn Superoxide Dismutase Mutation," <i>Science</i> , vol. 264, 1772-1775 (1994);
<i>k</i>	B17	Hemmer, W. and Wallimann, T., "Functional Aspects of Creatine Kinase in Brain," <i>Dev. Neuroscience</i> , vol. 15, 249-260 (1993);
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<i>Raymond Cornette</i>		<i>9/4/01</i>
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		FILING DATE October 13, 2000	GROUP 1614 <i>1625</i>

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>R</i>	C1	Hemmer, W. et al., "Creatine Kinase Isoenzymes in Chicken Cerebellum: Specific Localization of Brain-type Creatine Kinase in Bergmann Glial Cells and Muscle-type Creatine Kinase in Purkinje Neurons," <i>Eur. J. Neuroscience</i> , vol. 6, 538-49 (1994);
<i>R</i>	C2	Henshaw, R. et al., "Malonate Produces Striatal Lesions by Indirect NMDA Receptor Activation," <i>Brain Research</i> , vol. 647, 161-6 (1994);
<i>R</i>	C3	Hertz, L. and Peng, L., "Energy Metabolism at the Cellular Level of the CNS," <i>Can. J. Physiol. Pharmacol.</i> , vol. 70, S145-57 (1992);
<i>R</i>	C4	Ikerjiri, Y. et al., "Idebenone Improves Cerebral Mitochondrial Oxidative Metabolism in a Patient with MELAS" <i>Neurol.</i> , vol. 47(2), 583-585 (1996);
<i>R</i>	C5	Ito, M., "The Cellular Basis of Cerebellar Plasticity," <i>Curr. Opin. Neurobiol.</i> , vol. 1, 616-20 (1991);
<i>R</i>	C6	Jenkins, B. et al., "Evidence for Impairment of Energy Metabolism in Vivo in Huntington's Disease Using Localized ¹ H NMR Spectroscopy," <i>Neurol.</i> , vol. 43, 2689-95 (1993);
<i>R</i>	C7	Kahn, M.A., "Effect of Calcium on Creatine Kinase Activity of Cerebellum," <i>Histochem.</i> , vol. 48, 29-32 (1976);
<i>R</i>	C8	Langsjoen, P.H. et al., "Long-term Efficacy and Safety of Coenzyme Q ₁₀ Therapy for Idiopathic Dilated Cardiomyopathy" <i>Am. J. Cardiol.</i> , 65, 521-523 (1990);
<i>R</i>	C9	Langsjoen, P.H. et al., "Pronounced Increase of Survival of Patients with Cardiomyopathy When Treated with Coenzyme Q ₁₀ and Conventional Therapy" <i>Int. J. Tiss. React.</i> , 12(3):163-168 (1990);
<i>R</i>	C10	Langsjoen, P.H. et al. "A Six-Year Clinical Study of Therapy of Cardiomyopathy with Coenzyme Q ₁₀ " <i>Int. J. Tiss. React.</i> , 12(3), 169-171;
<i>R</i>	C11	Lillie, J. et al., "Cyclocreatine (1-Carboxymethyl-2-iminoimidazolidine) Inhibits Growth of a Broad Spectrum of Cancer Cells Derived from Solid Tumors," <i>Cancer Res.</i> , vol. 53, 3172-8 (1993);
<i>R</i>	C12	Lim, L. et al., "Neurone-Specific Enolase and Creatine Phosphokinase are Protein Components of Rat Brain Synaptic Plasma Membranes," <i>J. Neurochem.</i> , vol. 41, 1177-82 (1983);
<i>R</i>	C13	LoPresti, P. and Cohn, M., "Direct Determination of Creatine Kinase Equilibrium Constants with Creatine or Cyclocreatine as Substrate," <i>Biochem. Biophys. Acta.</i> , vol. 998, 317-20 (1989);
<i>R</i>	C14	Lowe, G. and Sproat, B., "Evidence for an Associative Mechanism in the Phosphoryl Transfer Step Catalyzed by Rabbit Muscle Creatine Kinase," <i>J. Biol. Chem.</i> , vol. 225, no. 9, 3944-51 (1980);
<i>R</i>	C15	Maker, H.S. et al., "Regional Changes in Cerebellar Creatine Phosphate Metabolism During Late Maturation," <i>Exp. Neurol.</i> , vol. 38, 295-300 (1973);
<i>R</i>	C16	Manos, P. et al., "Creatine Kinase Activity in Postnatal Rat Brain Development and in Cultured Neurons, Astrocytes, and Oligodendrocytes," <i>J. Neurochem.</i> , vol. 56, 2101-7 (1991);
<i>R</i>	C17	Manzoli, U. et al., "Coenzyme Q ₁₀ in Dilated Cardiomyopathy" <i>Int. J. Tiss. React.</i> , 12(3), 173-178 (1990);
<i>R</i>	C18	Marletta, M. and Kenyon, G., "Affinity Labeling of Creatine Kinase by N-(2,3-Epoxypropyl)-N-amidinoglycine," <i>J. Biol. Chem.</i> , vol. 254, no. 6, 1879-86 (1979);
<i>R</i>	C19	McLaughlin, A. and Cohn, M., "Specificity of Creatine Kinase for Guanidino Substrates," <i>J. Biol. Chem.</i> , vol. 247(13), 4382-8 (1972);
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K	D1	Molloy, G. et al., "Rat Brain Creatine Kinase Messenger RNA Levels are High in Primary Cultures of Brain Astrocytes and Oligodendrocytes and Low in Neurons," <i>J. Neurochem.</i> , 59:1925-32 (1992);
K	D2	Morisco, C. et al. "Effect of Coenzyme Q ₁₀ Therapy in Patients with Congestive Heart Failure: a Long-term Multicenter Randomized Study" <i>Clin. Invest.</i> , vol. 71, S134-S136 (1993);
K	D3	Nakamura, Y. et al., "Abnormal Evoked Potentials of Kearns-Sayre Syndrome" <i>Electromyography & Clinical Neurophysiology</i> , vol. 35(6), 365-370 (1995);
K	D4	Newman, E., "Regulation of Potassium Levels by Glial Cells in the Retina," <i>Trends Neuroscience</i> , vol. 8, 156-9 (1985);
K	D5	Oblinger, M. et al., "Cytotypic Differences in the Protein Composition of the Axonally Transported Cytoskeleton in Mammalian Neurons," <i>J. Neurol.</i> , vol. 7, no. 2, 453-62 (1987);
K	D6	Orlovskaja, D.D. et al., "Neuromorphology and Neurochemistry of Senile Dementias in the Light of Studies on Glial Response," <i>Vestn Ross Akad Med Nauk.</i> , vol. 8, 34-9 (1992) - abstract only;
K	D7	Penn, A.M.W. et al., "MELAS Syndrome with Mitochondrial tRNA ^{Leu(UUR)} Mutation: Correlation of Clinical State, Nerve Conduction, and Muscle ³¹ P Magnetic Resonance Spectroscopy during Treatment with Nicotinamide and Riboflavin" <i>Neurology</i> , vol. 42, 2147-2152 (1992);
K	D8	Reichenbach, A., "Glial K ⁺ Permeability and CNS K ⁺ Clearance by Diffusion and Spatial Buffering," <i>Acad. Sci. New York</i> , 272-86 (1991);
K	D9	Roberts, J. and Walker, J., "Higher Homolog and N-Ethyl Analog of Creatine as Synthetic Phosphagen Precursors in Brain, Heart, and Muscle, Repressors of Liver Amidinotransferase, and Substrates for Creatine Catabolic Enzymes," <i>J. Biol. Chem.</i> , vol. 260, no. 25, 13502-8 (1985);
K	D10	Roberts, J. et al. "Synthesis and Accumulation of an Extremely Stable High-Energy Phosphate Compound by Muscle, Heart, and Brain of Animals Fed the Creatine Analog, 1-Carboxyethyl-2-iminoimidazolidine (Homocyclocreatine)," <i>Arch. Biochem. Biophys.</i> , vol. 220, no. 2, 563-71 (1983);
K	D11	Rowley, G.L. et al., "On the Specificity of Creatine Kinase. New Glycocyamines and Glycocyamine Analogs Related to Creatine," <i>Journal of the American Chemical Society</i> , vol. 93, 5542-51 (1971);
K	D12	Schiffmann, R. et al., "Childhood Ataxia with Diffuse Central Nervous System Hypomyelination," <i>Ann. Neurol.</i> , vol. 35, 331-40 (1994);
K	D13	Schultz, J. et al., "Blockade of Neuronal Nitric Oxide Synthase Protects Against Excitotoxicity in vivo," <i>J. Neurosci.</i> , vol. 15(12), 8419-29 (1995);
K	D14	Schulz, J. et al., "Coenzyme Q ₁₀ and Nicotinamide and a Free Radical Spin Trap Protect against MPTP Neurotoxicity" <i>Exp. Neurol.</i> , vol. 132, 279-283 (1995);
K	D15	Schultz, J. et al., "Inhibition of Neuronal Nitric Oxide Synthase by 7-Nitroindazole Protects Against MPTP-Induced Neurotoxicity in Mice," <i>J. Neurochem.</i> , vol. 64, 936-9 (1995);
K	D16	Serabruny, V.L. et al., "Hemostatic Changes After Dietary Coenzyme Q ₁₀ Supplementation in Swine" <i>J. Cardiovascular Pharmacology</i> , vol. 28(2), 1775-1781 (1996);
K	D17	Stadhouders, A., et al., "Mitochondrial Creatine Kinase: A Major Constituent of Pathological Inclusions Seen in Mitochondrial Myopathies" <i>Proc. Natl. Acad. Sci.</i> , vol. 91(11), 5089-93 (1994);
K	D18	Wang, T., "Synthesis and Properties of N-Acetimidoyl Derivatives of Glycine and Sarcosine," <i>J. Org. Chem.</i> , vol. 39(24), 3591-3594 (1974).
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